

Attorney Docket No.: 40146/25701 (1268)

**REMARKS****I. INTRODUCTION**

Claims 1-4, 6, 7-11 have been amended. Claims 2 and 5 have been canceled.

Claims 12-14 have been added. Thus, claims 1, 3, 4, 6, and 7-14 are pending in the present application. No new matter has been added. In view of the above amendments and following remarks, it is respectfully submitted that all of the presently pending claims are allowable.

**II. THE OBJECTIONS TO THE DRAWINGS SHOULD BE WITHDRAWN**

The drawings stand objected to under 37 C.F.R. § 1.83(a) for failing to show the feature(s) recited in claim 5. Since claim 5 has been canceled, Applicant respectfully submits that the objection to the drawings is obviated.

**III. THE 35 U.S.C. § 102(e) REJECTION SHOULD BE WITHDRAWN**

Claims 1-4, and 6 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Publication No. 2005/0032531 to Gong et al. (hereinafter "Gong"). (See 06/26/07 Office Action, p. 3, ¶ 4).

Currently amended claim 1 recites, *inter alia*, "...a system wherein at least some of said access points are provided with antennas having antenna patterns with selected pattern shape for enhancing location of said mobile units, *said selected pattern shapes include horizontally offset directional antenna patterns.*" (Emphasis added).

Gong generally relates to systems and method which provide for location positioning in wireless networks. (See Gong, Abstract). Specifically, the system is a processor-

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based system coupled to a plurality of APs via a network backbone, wherein the APs provide RF illumination of a service area using multiple antenna patterns. (See Id., ¶ [0027-0028]). The APs are illustrated as each having 10 directional antenna patterns and one omni-directional antenna pattern associated therewith. (See Id., ¶ [0029]; and Fig. 1A). Furthermore, as illustrated in Fig. 1A, the three APs of the system are arranged in a triangular pattern, wherein portions of the respective antenna patterns of the APs overlaps at various angles with each other. (See Id., Fig. 1A). While the Gong disclosure states that the system is not limited to the illustrated embodiment of Fig. 1A, the only other embodiment disclosed by Gong includes an AP having a coverage radius of less than 360 degrees. (See Id., ¶ [0030]). Accordingly, several antenna patterns from the APs will intersect with one another, converging at multiple locations. It is important to note that while Gong discloses variation in the coverage radius of the APs, Gong fails to explicitly teach or suggest antenna patterns with “selected pattern shapes include *horizontally offset* directional antenna patterns,” recited in claim 1.

The Examiner alleges that Gong anticipates a selected pattern shapes including horizontally offset directional antenna patterns. Specifically, in the rejection of currently canceled claim 2, the Examiner asserts that “Gong would teach said selected pattern shapes include horizontally offset directional antenna patterns.” (See 06/27/07 Office Action, p. 4, ¶ 3). However, it is unclear as to where the Examiner finds support for this statement within the Gong disclosure. Specifically, the Examiner fails to indicate where Gong discloses the antenna patterns of the Gong disclosure as being horizontally offset. Thus, Applicant respectfully submits that for at least the reasons stated above, currently amended claim 1 of the present application is not anticipated by Gong, and request that the rejection of this claim be withdrawn.

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As claims 2-4, and 6 depend from, and therefore include all the limitations of claim 1, it is hereby submitted that these claims are also allowable.

**IV. THE 35 U.S.C. § 103(a) REJECTION SHOULD BE WITHDRAWN**

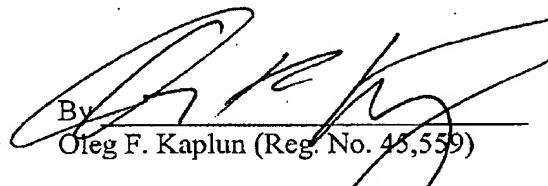
Claims 7-11 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Gong. (See *Id.*, pp. 4-5, ¶ 5). As discussed above, Gong fails to teach or suggest all the limitations of amended independent claim 1. Because dependent claims 7-11 depend from, and, therefore include all the limitations of independent claim 1, it is respectfully submitted that these claims are allowable for the reasons stated above with reference to claim 1.

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**CONCLUSION**

In light of the foregoing, the Applicant respectfully submits that all of the now pending claims are in condition for allowance. All issues raised by the Examiner having been addressed, an early and favorable action on the merits is earnestly solicited.

Respectfully submitted,

  
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